Docket No.

211618US99

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Rudy M. EMRICK, et al.

SERIAL NO: 09/910,753

GAU:

2826

FILED:

July 24, 2001

EXAMINER: FORDE, R.R.

FOR:

STRUCTURE AND METHOD FOR FABRICATING CONFIGURABLE TRANSISTOR DEVICES UTILIZING THE FORMATION OF A COMPLIANT SUBSTRATE FOR MATERIALS USED TO FORM THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references were submitted in application Serial No. 09/908,888 according to the attached copy of a Granted Petition. This application contains related subject matter.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted.

KIER & NŒUSTADT, P.C.

Richard L. Treanor

Registration No. 36,379

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03)

SHEET 1 OF 23

Form PTO 1449 ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE 211618US99 Treper 09/910,753 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **FILING DATE** GROUP July 24, 2001 2826 **U.S. PATENT DOCUMENTS** EXAMINER DOCUMENT DATE NAME **CLASS** SUB FILING DATE INITIAL NUMBER **CLASS** IF APPROPRIATE ζ 3,802,967 04/09/74 Ladany et al. AΒ 4,174,422 11/13/79 Matthews et al. AC 4,404,265 09/13/83 Manasevit AΠ 4,482,906 11/13/84 Hovel et al. 4,523,211 06/11/85 AΕ Morimoto et al. 4,661,176 ΑF 04/28/87 Manasevit 4,793,872 12/27/88 AG Meunier et al. 07/11/89 AΗ 4,846,926 Kay et al. ΑJ 4,855,249 08/08/89 Akasaki et al. 4,891,091 01/02/90 Shastry ΑK 4,912,087 03/27/90 Aslam et al. AL 4,928,154 05/22/90 Umeno et al. AM 10/16/90 4,963,949 Wanlass et al. ΑN 5,141,894 08/25/92 Bisaro et al. ÃΟ 5,159,413 10/27/92 Calviello et al. AΡ 5,173,474 12/22/92 Connell et al. AQ 5,221,367 06/22/93 Chisholm et al. 5,225,031 AR 07/06/93 McKee et al. AS 5,358,925 10/25/94 Neville Connell et al. 5,393,352 02/28/95 Summerfelt ΑÜ 5,418,216 05/23/95 Fork ΑV 5,450,812 09/19/95 McKee et al. ΑW 5,478,653 12/26/95 Guenzer ΑX 5,482,003 01/09/96 McKee et al. 5,514,484 05/07/96 Vashimoto ΑZ 5,556,463 09/17/96 Guenzer BA 5,588,995 12/31/96 Sheldon BB 5,670,798 09/23/97 Schetzina BC 5,733,641 03/31/98 Fork et al. BD 5,735,949 04/07/98 Mantl et al. BE 5,741,724 04/21/98 Ramdani et al. RF 5,810,923 09/22/98 Yano et al. BG 5,830,270 11/03/98 McKee et al. ВН 5,912,068 06/15/99 Jia BI 6,020,222 02/01/00 Wollesen BJ 6,045,626 04/04/00 Yano et al. BK 6,064,078 05/16/00 Northrup et al. BL 05/16/00 6,064,092 Park ВМ 6,096,584 08/01/00 Ellis-Monaghan et al. BN 6,103,008 08/15/00 McKee et al. BΟ 6,136,666 10/24/00 BP 6,174,755 01/16/01 Manning BQ 6,180,486 01/30/01 Leobandung et al.

MAY 1 3 2004

SHEET 2 OF 23

					<u> </u>	&	<u> </u>	IEET 2	OF 23
Form PTO 1449 (Modified)		U.S. DEPARTMENT OF CO PATENT AND TRADEMARK O		ATTY DOCKET NO	1618US99	Maria	SERIAL	√O. 09/910,75	3
LIST OF	DEE	ERENCES CITED BY A	PPI ICANT	APPLICANT	Budy M	EMPICK	ot ol		
LIST OF	KELI	ERENCES CITED BY A	FEICANI	FILING DATE	Rudy IVI.	EMRICK	GROUP		-
					y 24, 2001	•	CROOF	2826	
			1	U.S. PATENT DOCU					
EXAMINER INITIAL	l	DOCUMENT NUMBER	DATE	NAN	1E	CLASS	SUB CLASS		DATE OPRIATE
	CA	3,766,370	10/16/73	Walther					
	СВ	4,006,989	02/08/77	Andringa	-				
	CC	4,284,329	08/18/81	Smith et al.					
	CD	4,777,613	10/11/98	Shahan et al.					
	CE	4,802,182	01/31/89	Thornton et al.					
	CF	4,882,300	11/21/89	Inoue et al.					
	CG	4,896,194	01/23/90	Suzuki					
	CH :	4,999,842	03/12/91	Huang et al.					
	CI	5,081,062	01/14/92	Vasudev et al.					
	CJ	5,155,658	10/13/92	lnam et al.					
	CK	5,248,564	09/28/93	Ramesh					
	CL	5,260,394	11/09/93	Tazaki et al.					
	СМ	5,270,298	12/14/93	Ramesh					
	CN	5,286,985	02/15/94	Taddiken					
	co	5,310,707	05/10/94	Oishi et al.					
	CP	5,326,721	07/05/94	Summerfelt					
	CQ	5,404,581	04/04/95	Honjo					
	CR	5,418,389	05/23/95	Watanabe					W
	CS OT	5,436,759	07/25/95	Dijaii et al.					
	CT	5,576,879	11/19/96	Nashimoto				<u></u>	
	CU	5,606,184	02/25/97	Abrokwah, et al.					
	CV	5,640,267	06/17/97	May et al.					
		5,674,366	10/07/97	Hayashi et al.					·
		5,729,641 5,790,583	03/17/98	Chandonnet et al.					
		5,825,799	10/20/98	Ho Ho et al.					
		5,857,049	01/05/99	Beranek et al.					
		5,874,860	02/23/99	Brunel et al.					
		5,926,496	07/20/99	Ho et al.					
l:		5,937,285	08/10/99	Abrokwah, et al.				-	•
		5,981,400	11/09/99	Lo					
		5,990,495	11/23/99	Ohba					
		6,002,375	12/14/99	Corman et al.					
		6,008,762		Nghiem					
		6,055,179		Koganei et al.					
		6,107,653		Fitzgerald					
		6,113,690		Yu et al.	-				
D		6,114,996		Nghiem		+			
		6,121,642		Newns	-				
		6,128,178		Newns		+			
		6,143,072		McKee et al.			+		
D		6,184,144		Lo					
IT.		6,222,654	1	Frigo		I			

O 1 P E G

					2		<i>\$</i> 7 s	HEET 3	OF	<u>23</u>
Form PTO 1449 (Modified))	U.S. DEPARTMENT OF (PATENT AND TRADEMARK		ATTY DOCKET NO. 211618	وجزري	DEMARKS	SERIAL	NO. 09/910,75	3	
LICTO	- 0	EDENICES OITED DV	ADDI ICANT	APPLICANT		EMPIO	ا ما ما			
LIST OF	- KEF	ERENCES CITED BY	APPLICANT	FILING DATE	киау м.	EMRICK	GROUP	,		<u>.</u> .
				July 24,	2001		0,100,	2826		
				U.S. PATENT DOCUMEN	rs				·	
EXAMINER	Τ.	DOCUMENT	DATE	NAME		CLASS	SUB	FILING DATE		
INITIAL	EA	NUMBER 4,484,332	11/20/84	Hawrylo		 	CLASS	IF APPROPE	RIATE	
	EB	4,815,084	03/21/89	Scifres et al.		 	ļ			
	EC	4,876,219	10/24/89	Eshita et al.		1				
	ED	4,963,508	10/16/90	Umeno et al.			ļ		-	
	EE	5,060,031	10/22/91	Abrokwah, et al.		1	-			
	EF	5,063,166	11/05/91	Mooney et al.	•	 				
 	EG	5,116,461	05/26/92	Lebby et al.		 				
	EH	5,127,067	06/30/92	Delcoco et al.		 				
	EI.	5,144,409	09/01/92	Ma			-	 -		
	EJ	5,293,050	03/08/94	Chapple-Sokol et al		-				
	EK	5,356,831	10/18/94	Calviello et al.			<u> </u>	 		
	EL	5,391,515	02/21/95	Kao et al.			·	ļ	•	
	EM	5,442,191	08/15/95	Ma		 				
	EN	5,444,016	08/22/95	Abrokwah, et al.		 				
	EO	5,480,829	01/02/96	Abrokwah, et al.	***	ļ		<u> </u>		
	EP	5,528,414	06/18/96	Oakley			i 	<u> </u>		
	EQ	5,614,739	03/25/97	Abrokwah et al.						
	ER	5,729,394	03/17/98	Sevier et al.						
	ES	5,731,220	03/24/98	Tsu et al.		_				
	ET	5,764,676	06/09/98	Paoli et al.						
	EU	5,777,762	07/07/98	Yamamoto						
	EV	5,778,018	07/07/98	Yoshikawa et al.			-			
	EW	5,778,116	07/07/98	Tomich			1			
	EX	5,801,105	09/01/98	Yano et al.						
	EY	5,828,080	10/27/98	Yano et al.			-			
	EZ	5,858,814	01/12/99	Goossen et al.			-			
	FA	5,861,966	01/19/99	Ortel				· · · · · · · · · · · · · · · · · · ·		
	FB	5,883,996	03/16/99	Knapp et al.						
	FC	5,995,359	11/30/99	Klee et al.						
	FD	6,058,131	05/02/00	Pan		·				
	FΕ	6,137,603	10/24/00	Henmi			-			
	FF	6,146,906	11/14/00	Inoue et al.						
	FG	6,173,474	01/16/01	Conrad		-			-	
	FH	6,180,252	01/30/01	Farrell et al.	-		<u>-</u>			
	FI	4,242,595	12/30/0	Lehovec						
	FJ	4,398,342	08/16/83	Pitt et al.			-			
-	FK	4,424,589	01/03/84	Thomas et al.			-			
	FL	4,876,208	10/24/89	Gustafson et al.	-					
	FM	4,482,422	11/84	McGinn et al.	m ,			_		
 	FN	4,667,088	05/19/87	Kramer						
	FO	4,772,929	09/20/88	Manchester et al.						
 	FP	4,841,775	06/27/89	lkeda et al.						
	FQ	4,845,044		Ariyoshi et al.		+				
		<u> </u>								

MAY 1 3 2004 SHEET 4 OF 23 Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. SERIAL NO. 211618US99 09/910,753 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. GROUP FILING DATE July 24, 2001 2826 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT DATE FILING DATE NAME CLASS SUB INITIAL NUMBER CLASS

INITIAL		NUMBER				CLASS	IF APPROPRIATI
	GA	4,868,376	09/19/89	Lessin et al.			
	GB	4,885,376	12/05/89	Verkade			×
	GÇ	4,888,202	12/89	Murakami et al.			
	GD	4,891,091	12/90	Wanlass et al.			
	GE	5,051,790	09/24/91	Hammer			
	GF	5,055,445	10/08/91	Belt et al.			
	GG	5,081,519	11/14/92	Nishimura et al.			
	GH	5,143,854	09/01/92	Pirrung et al.			
•	GI	5,185,589	02/09/93	Krishnaswamy et al.			
•	GJ	5,191,625	03/02/93	Gustavsson			
	GK	5,194,397	03/16/93	Cook et al.			
	GL	5,208,182	05/04/93	Narayan et al.			
	GМ	5,216,729	06/01/93	Berger et al.			·
	GN	5,314,547	05/24/94	Heremans et al.			
	GO	5,352,926	10/04/94	Andrews			<u> </u>
	GP	5,356,509	10/18/94	Terranova et al.		† †	
	GQ	5,371,734	12/06/94	Fischer		 	
	GR	5,372,992	12/94	Itozaki et al.			
	GS	5,405,802	04/11/95	Yamagata et al.		 	
	GT	5,442,561	08/15/95	Yoshizawa et al.			
	GU	5,453,727	09/26/95	Shibasaki et al.			
	GV	5,466,631	11/14/95	Ichikawa et al.			
	GW	5,473,047	12/05/95	Shi		 	
	GX	5,473,171	12/95	Summerfelt			
	GY	5,479,033	12/26/95	Baca et al.			
	GZ	5,486,406	01/23/96	Shi		-	
-	HA	5,491,461	02/13/96	Partin et al.		 	
	нв	5,492,859	02/20/96	Sakaguchi et al.			
	НС	5,494,711	02/27/96	Takeda et al.			
- 	HD	5,504,035	04/02/96	Rostoker et al.			
	HE	5,504,183	04/02/96	Shi			
	-IF	5,511,238	04/23/96	Bayraktaroglu	-		
	1G	5,512,773	04/96	Wolf et al.			
	IH	5,515,047	05/07/96	Yamakido et al.			-
-	11	5,515,810	05/14/96	Yamashita et al.			
		5,519,235	05/96	Ramesh			
		5,549,977	08/96	Jin et al.			
		5,551,238	09/03/96	Prueitt			
		5,552,547		Shi			
		5,589,284		Summerfelt et al.			
		5,602,418		Imai et al.			· · · · · · · · · · · · · · · · · · ·
		5,633,724		King et al.			

SHEET 5 OF 23

MAY 1 3 2004 U.S. DEPARTMENT OF COMMERCE SERIAL NO. ATTY DOCKET NO. Form PTO 1449 (Modified) PATENT AND TRADEMARK OFFICE 211618US99 · 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **GROUP FILING DATE** July 24, 2001 2826 **U.S. PATENT DOCUMENTS** DOCUMENT DATE NAME CLASS SUB FILING DATE **EXAMINER** NUMBER **CLASS** IF APPROPRIATE INITIAL 5,650,646 07/22/97 Summerfelt ΙB 5,656,382 08/12/97 Nashimoto iC 08/19/97 Shen et al. 5,659,180 ID 5,661,112 08/26/97 Hatta et al. 11/95 5,679,965 Schetzina 5,725,641 03/10/98 MacLeod 5,745,631 04/28/98 Reinker iG 07/07/98 5,776,621 Nashimoto IH 5,777,350 07/07/98 Nakamura et al. 5,789,845 08/04/98 Wadaka et al. 08/11/98 iκ 5,792,569 Sun et al. 5,792,679 08/11/98 Nakato ΙL 08/18/98 M 5,796,648 Kawakubo et al. IN 5,801,072 09/01/98 Barber 10 5,812,272 09/22/98 King et al. 09/98 Itozaki et al. 5,814,583 10/20/98 5,825,055 Summerfelt IQ IR 5,827,755 10/27/98 Yonchara et al. ıs 5,833,603 11/10/98 Kovacs et al. 11/17/98 5,838,035 Ramesh lt J 5,844,260 12/01/98 Ohori 12/08/98 5,846,846 Suh et al. W 5,863,326 01/26/99 Nause et al. 5,872,493 02/16/99 Ella 03/99 5,879,956 Seon et al. ΙZ 03/09/99 5,880,452 Plesko 5,883,564 03/16/99 IΑ Partin 05/25/99 JB 5,907,792 Droopad et al. 08/10/99 Kondow et al. JC 5.937.274 5,948,161 09/07/99 Kizuki ID 09/28/99 JΕ 5,959,879 Koo JF 5,966,323 10/99 Chen et al. JG 5.987,011 11/16/99 Toh 02/08/00 JН 6.022,140 Fraden et al. 02/08/00 Yu et al. 6,022,410 J١ 02/08/00 McKee et al. JJ 6,023,082 JΚ 6,028,853 02/22/00 Haartsen 6,049,702 04/11/00 Tham et al. JL 06/20/00 JМ 6,078,717 Nashimoto et al 07/00 JN 6,088,216 _aibowitz et al. 07/00 6,090,659 Laibowitz et al. JΡ 08/22/00 6,107,721 11/28/00 JQ 6,153,010 Kiyoku et al

SHEET 6 OF 23

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE ATTY DOCKET NO. PARTENSE. SERIAL NO. (Modified) PATENT AND TRADEMARK OFFICE 211618US99 09/910,753 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. FILING DATE **GROUP** July 24, 2001 2826 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT DATE NAME CLASS SUB FILING DATE INITIAL NUMBER CLASS IF APPROPRIATE ΚA 6,153,454 11/28/00 Krivokapic KB 6,191,011 02/01 Gilboa et al KC 6,204,737 03/20/01 Ella KD 6,224,669 05/01/01 Yi et al. KE 6,225,051 05/01/01 Sugiyama et al. KF 6,241,821 06/05/01 Yu et al. KG 6,265,749 07/24/01 Gardner et al. KΗ 6,313,486 11/01 Kencke et al. ΚI 6,316,832 11/13/01 Tsuzuki et al. KJ 2002/0008234 01/02 ΚK 3,670,213 06/13/72 Nakawaga et al. KL 4,756,007 07/05/88 Qureshi et al. KM 4,773,063 09/20/88 Hunsperger et al. KN 5,394,489 02/28/95 Koch ΚO 5,406,202 04/11/95 Mehrgardt et al. ΚĒ 5,528,067 06/18/96 Farb et al. KQ 11/05/96 5.572.052 Kashihara et al. KŔ 5,767,543 06/16/98 Ooms et al. KS 6,175,497 01/16/01 Tseng et al. 6,197,503 ΚT 03/06/01 Vo-Dinh et al. ΚU 6,248,459 06/19/01 Wang et al. $\overline{\mathsf{kv}}$ 6,252,261 06/26/01 Usui et al. ₹₩ 6,255,198 07/03/01 Linthicum et al. ΚX 6,268,269 07/31/01 ee et al. ΚŸ 6,291,319 09/18/01 Yu et al. ΚŻ 6,316,785 11/13/01 Nunoue et al. Ā 6,343,171 01/29/02 Yoshimura et al. B 4,965,649 10/23/90 Zanio et al. $\overline{\mathsf{LC}}$ 6,253,649 05/01 Kawahara et al. LD 6,211,096 04/01 Allman et al. LE 6,239,449 05/29/01 Fafard et al. 2001/0013313 08/16/01 Droopad et al. _G 6,184,044 02/06/01 Sone et al. ĹΗ 6,011,646 01/04/00 Mirkarimi et al. LI 5,227,196 07/13/93 ltoh Ĵ 6,150,239 11/21/00 Goesele et al. LK 5,441,577 08/15/95 Sasaki et al. 4,459,325 LL 07/10/84 Nozawa et al. _M 4,392,297 07/12/83 Little N 4,289,920 09/15/81 Hovel 0 5,281,834 01/25/94 Cambou et al. LΡ 4,901,133 02/13/90 Curran et al. Q 5,514,904 05/07/96 Onga et al.

SHEET 7 OF 23

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. SERIAL NO. Form PTO 1449 Modified) 211618US99 A TRANSPORT 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **FILING DATE** GROUP July 24, 2001 2826 U.S. PATENT DOCUMENTS DOCUMENT **EXAMINER** SUB FILING DATE DATE NAME CLASS INITIAL NUMBER IF APPROPRIATE **CLASS** MA 5.553.089 09/03/96 Seki et al. MB 5,528,057 06/18/96 Yanagase et al. MC 6,229,159 05/08/01 Suzuki MD 4,748,485 05/31/88 Vasudev ME 4,984,043 01/08/91 Vinal MF 5,754,319 05/19/98 Van De Voorde et al. MG 6,108,125 08/22/00 Yano MH 5,073,981 12/17/91 Giles et al. MI 5,140,651 08/18/92 Soref et al. 5,610,744 03/11/97 Ho et al. MK 6,362,017 03/26/02 Manabe et al. ML 6,242,686 06/05/01 Kishimoto et al. MM 5,689,123 11/18/97 Major et al. MN 5,670,800 09/23/97 Nakao et al. MO 5,067,809 11/26/91 Tsubota 5,596,205 MP 01/21/97 Reedy et al. MQ 6,175,555 01/16/01 Hoole MR 5,357,122 10/18/94 Okubora et al. MS 4,084,130 04/11/78 Holton MT 07/25/00 6,093,302 Montgomery MU 6,372,813 04/16/02 Johnson et al. ΜV 5,608,046 03/04/97 Cook et al. MW 5,955,591 09/21/99 Imbach et al. MX 6,022,963 02/08/00 McGall et al. MY 6,083,697 07/04/00 Beecher et al. ΜZ 5,063,081 11/05/91 Cozzette et al. NA 5,479,317 12/26/95 Ramesh NB 04/26/94 5,306,649 Hebert NC 5,962,069 10/05/99 Schindler et al. ND 5,541,422 07/30/96 Wolf et al. NE 5.873,977 02/23/99 Desu et al. NF 5,538,941 07/23/96 Findikoglu et al. NG 6,046,464 04/04/00 Schetzina NH 6,235,145 05/22/01 Li et al. NI 5,610,744 03/11/97 Ho et al. NJ 5,280,013 01/18/94 Newman et al. NK 6,348,373 B1 02/19/02 Ma et al. NL 6,339,664 B1 01/15/02 Farjady et al. NM 4,439,014 03/27/84 Stacy et al. NN 4,889,402 12/26/89 Reinhart NO 5,963,291 10/05/99 Wu et al. NP 01/04/00 6,011,641 Shin et al. NQ 6,340,788 B1 01/22/02 King et al.

MAY 1 3 2004

Sheets 8 OF 23

ATTY DOCKET NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SERIAL NO. Form PTO 1449 (Modified) 211618US99 >> 09/910,753 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **FILING DATE GROUP** July 24, 2001 2826 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT SUB FILING DATE DATE NAME **CLASS** INITIAL NUMBER **CLASS** IF APPROPRIATE OA 5,807,440 09/15/98 Kubota et al. OB 4,681,982 07/21/87 Yoshida OC 4,629,821 12/16/86 Bronstein-Bonte et al. OD 4,452,720 06/05/84 Harada et al. OE 3,935,031 01/27/76 Adler 5,760,426 OF 06/02/98 Marx et al. Horikawa et al. OG 5,053,835 10/01/91 ОН 12/04/01 6,326,645 B1 Kadota OI 5,770,887 06/23/98 Tadatomo et al. OJ 6,372,356 B1 04/16/02 Thornton et al. OK 4,774,205 09/27/88 Choi et al. OL 6,359,330 B1 03/19/02 Goudard ОМ 5,312,765 05/17/94 Kanber ON 5,734,672 03/31/98 McMinn et al. 00 6,367,699 B2 04/09/02 Ackley OP 5,530,235 06/25/96 Stefik et al. OQ 5,623,552 04/22/97 OR 5,481,102 01/02/96 Hazelrigg, Jr. os 6,134,114 10/17/00 Ungermann et al. Nevill OT 5,984,190 11/16/99 ΟU 5,789,733 Jachimowicz et al. 08/04/98 OΥ 5,753,300 05/19/98 Wessels et al. OW 6,208,453 03/27/01 Wessels et al. OX 5,886,867 03/23/99 Chivukula et al. OY 07/02/91 5,028,976 Ozaki et al. ΟZ 5,869,845 02/09/99 Vander Wagt et al. PA 5,596,214 01/21/97 Endo PB 6,391,674 B2 05/21/02 Ziegler PC 6,275,122 B1 08/14/01 Speidell et al. PD 6,238,946 B1 05/29/01 Ziegler PE 6,210,988 B1 04/03/01 Howe et al. PF 6,392,257 05/21/02 Ramdani et al. PG 4,442,590 04/17/84 Stockton et al. PH 5,603,764 02/18/97 Matsuda et al. 6,087,681 06/11/00 Shakuda PJ 5,132,648 07/21/92 Trinh et al. PK 6,427,066 07/30/02 Grube ΡL 2002/0072245 06/13/02 Ooms et al. PM 6,278,138 B1 08/21/01 Suzuki PN 5,888,296 03/30/99 Ooms et al. PO 5,198,269 03/3093 Swartz et al. PP 2002/0030246 03/14/02 Eisenbeiser et al. 2002/0047143 04/25/02 Ramdani et al.

SHEET 9 OF 23

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT

ATTY DOCKET NO.

211618US99

APPLICANT

Rudy M. EMRICK, et al.

FILING DATE

GROUP

			FILING DATE		GROUP		
		 		July 24, 2001		<u> </u>	2826
	,			U.S. PATENT DOCUMENTS		·	
EXAMINER INITIAL	<u> </u>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	QA	5,776,359	07/07/98	Schultz et al.			
	QB	5,569,953	10/29/96	Kikkawa et al.			
	QC	5,834,362	11/10/98	Miyagaki et al.			
	QD	6,248,621 B1	06/19/01	Wilk et al.			
	QE	5,266,355	11/30/93	Wernberg et al.			
	QF	6,277,436 B1	08/21/01	Stauf et al.			
	QG	6,039,803	03/21/00	Fitzgerald et al.			
	q	5,619,051	04/08/97	Endo			
	ā	5,420,102	05/30/95	Harshavardhan et al.			
	đ٦	5,210,763	05/11/93	Lewis et al.			
	QK	5,103,494	04/07/92	Mozer			
	QL	4,594,000	06/10/86	Falk et al.			
	QM	4,297,656	10/27/81	Pan			
	QN	5,244,818	09/14/93	Jokers et al.			
	QO	6,048,751	04/11/00	D'Asaro et al.			
	QP	5,484,664	01/16/96	Kitahara et al.			
	QQ	5,780,311	07/14/98	Beasom et al.			
	QR	6,438,281 B1	08/20/02	Tsukamoto et al.			· · · · · · · · · · · · · · · · · · ·
	QS	5,399,898	03/21/95	Rostoker			
Ī	QT	6,271,619	08/07/01	Yamada et al.			
	QU	5,334,556	08/02/94	Guldi			
	QV	4,910,164	03/20/90	Shichijo			
	QW	4,952,420	08/28/90	Walters			
	QX	6,121,647	09/19/00	Yano et al.			
	QY	6,306,668 B1	10/23/01	McKee et al.			
	QZ	6,143,366	11/07/00	Lu			
	RA	6,410,941	06/25/02	Taylor et al.			
	RB	5,397,428	03/14/95	Stoner et al.			
	RC	6,432,546 B1	08/13/02	Ramesh et al.			, .
	RD	6,345,424	02/12/02	Hasegawa et al.			
	RE	6,338,756 B2	01/15/02	Dietze			
	RF	5,516,725	05/14/96	Chang et al.			
	RG	4,667,212	05/19/87	Nakamura			
	RH	5,629,534	05/13/97	Inuzuka et al.			
	RI	3,914,137	10/21/75	Huffman et al.			
	RJ	5,753,928	05/19/98	Krause			
	RK	5,977,567	11/02/99	Verdiell			
	RL	5,130,762	07/14/92	Kulick	1 1		
	RM	5,621,227	04/15/97	Joshi	† †		
	RN	6,389,209 B1	05/14/02	Suhir			
	RO	5,163,118	11/10/92	Lorenzo et al.			
	RP	5,926,493	07/20/99	O'Brien et al.			
	RQ	5,323,023	06/21/94	Fork	†		

09/910,753

MAY 1 3 2004 Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO.

211618US99. APPLICANT

300000000

SERIAL NO.

LIST OF	LIST OF REFERENCES CITED BY APPLICANT			APPLICANT Rudy M. EMRICK, et al.			•
LIST OF	KEFE	RENCES CITED BY AF	FLICANI	FILING DATE	Rudy IVI. EMRICK	GROUP	
				July 24, 20	01		2826
				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	SA	6,156,581	12/05/00	Vaudo et al.			
	SB	5,395,663	03/07/95	Tabata et al.			
	sc	4,146,297	03/27/79	Alferness et al.			
	SD	5,452,118	09/19/95	Maruska			
	SE	5,889,296	03/30/99	Imamura et al.			
	SF	6,300,615 B1	10/09/01	Shinohara et al.			
	SG	6,232,910 B1	05/15/01	Bell et al.			<u> </u>
	SH	5,686,741	11/11/97	Ohori et al.			
	SI	4,959,702	09/25/90	Moyer et al			
	SJ	6,100,578	08/08/00	Suzuki		•	
	SK	6,410,947 B1	06/25/02	Wada			-
	SL	6,417,059 B2	07/09/02	Huang			
	SM	6,461,927 B1	10/08/02	Mochizuki et al.			
	SN	6,462,360 B1	10/08/02	Higgins, Jr. et al.			
-	so	5,981,976	11/09/99	Murasato			
	SP	5,981,980	11/09/99	Miyajima et al.		<u> </u>	
	SQ	2002/0006245 A1	01/17/02	Kubota et al.			
	SR	2002/0131675 A1	09/19/02	Litvin			
	SS	6,256,426 B1	07/03/01	Duchet	<u> </u>		
	ST	6,278,523 B1	08/21/01	Gorecki			
	SU	6,319,730 B1	11/20/01	Ramdani et al.			
	sv	6,404,027	06/11/02	Hong et al.			
-	sw	6,312,819 B1	11/06/01	Jia et al.		+	
	SX	5,119,448	06/02/92	Schaefer et al.			71 97-
	SY	4,120,588	10/17/78	Chaum			
	sz	5,194,917	03/16/93	Regener			
	TA	5,018,816	05/28/91	Murray et al.			
	ТВ	5,953,468	09/14/99	Finnila et al.			
	TC	5,561,305	10/01/96	Smith			
+	TD	5,896,476	04/20/99	Wisseman et al.		-	
	TE	4,934,777	06/19/90	Jou et al.			
	TF	6,320,238 B1	11/20/01	Kizilyalli et al.			
		6,393,167 B1	05/21/02	Davis et al.			
	TH	5,760,427	06/02/98	Onda			<u></u>
		6,411,756 B2	06/25/02	Sadot et al.			
	-	5,668,048	09/16/97	Kondo et al.			
							
	$\overline{}$	5,852,687	12/22/98	Wickham Chan et al			
		5,122,852	06/16/92	Chan et al.			
		5,173,835	12/22/92	Cornett et al.			
	$\overline{}$	5,055,835	10/08/91	Sutton			
	-	6,139,483	10/31/00	Seabaugh et al.			
		5,283,462	02/01/94	Stengel			
	τα	6,103,403	08/15/00	Grigorian et al.			

. Ú.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. SERIAL NO. Form PTO 1449 (Modified) 211618US99 09/910,753 BARRARE **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. GROUP **FILING DATE** July 24, 2001 2826 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT SUB **FILING DATE** DATE NAME **CLASS** INITIAL NUMBER CLASS IF APPROPRIATE UΑ 5,635,433 06/03/97 Sengupta UB 5,427,988 06/27/95 Sengupta et al. UC 6,297,842 B1 10/02/01 Koizumi et al. UD 5,682,046 10/28/97 Takahashi et al. UE 5,181,085 01/19/93 Moon et al. UF 6,051,858 04/18/00 Uchida et al. 01/11/00 UG 6,013,553 Wallace et al. UH 10/03/89 4,872,046 Morkoc et al. UI 2002/0047123 A1 04/25/02 Ramdani et al. UJ 5,995,528 11/30/99 Fukunaga et al. UK 12/24/91 5,075,743 Behfar-Rad 08/01/95 Paoli et al. UL 5,438,584 UM 4,503,540 03/05/85 Nakashima et al. UN 5,373,166 12/13/94 Buchan et al. 08/21/01 UO 6,278,137 B1 Shimoyama et al. UP 04/22/97 5,623,439 Gotoh et al. UQ 4,981,714 01/01/91 Ohno et al. UR 6,194,753 B1 02/27/01 Seon et al. US 6,326,637 B1 12/04/01 Parkin et al. UT UU UV UW UX UY υZ VΑ VΒ VC VD VΕ VF ۷G VΗ VI VJ ٧K VL VM VN VO VP

VQ

MAY 1 3 2004

SHEET 12 OF 23

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. NO. 211618US99-SERIAL NO. (Modified) 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. FILING DATE **GROUP** July 24, 2001 2826 **U.S. PATENT DOCUMENTS** DOCUMENT DATE COUNTRY TRANSLATION NUMBER YES NO AAA 0 250 171 12/23/87 X AAB 0 342 937 11/23/89 ËΡ AAC 0 455 526 EΡ 06/11/91 AAD 0 602 568 06/22/94 ĘΡ AAE 0 607 435 07/27/94 ΕP AAF 1 001 468 05/17/00 EΡ AAG 0 514 018 11/19/92 ΕP AAH 0 999 600 05/10/00 EΡ AAI 1 319 311 06/04/70 Great Britain AAJ 5-291299 11/05/93 Japan w/English Abstract AAK 11-238683 08/31/99 Japan AAL 11-260835 09/24/99 Japan w/English Abstract AAM HEI 2-391 01/05/90 Japan w/English Abstract AAN 5-48072 02/26/93 Japan w/English Abstract 52-88354 AAO 07/23/77 Japan w/English Abstract AAP 54-134554 10/19/79 Japan w/English Abstract AAQ 55-87424 07/02/80 Japan w/English Abstract X AAR 61-108187 05/26/86 Japan w/English Abstract AAS 6-232126 08/19/94 Japan AAT 6-291299 10/18/94 Japan w/English Abstract AAU 63-34994 02/15/88 Japan w/English Abstract AAV 63-131104 06/03/88 Japan w/English Abstract AAW 63-198365 08/17/88 Japan w/English Abstract AAX 10-321943 12/04/98 Japan AAY 6-334168 12/02/94 Japan AAZ WO 99/63580 12/09/99 WIPO ABA WO 99/14804 03/25/99 WIPO ABB WO 97/45827 12/04/97 WIPO ABC WO 99/19546 04/22/99 WIPO ABD WO 00/33363 06/08/00 WIPO ABE WO 00/48239 08/17/00 WIPO ABF WO 99/14797 03/25/99 WIPO ABG GB 2 335 792 09/29/99 Great Britain ABH 1 109 212 06/20/01 Europe ABI DE 197 12 496 10/30/97 Germany ABJ 60-212018 Japan w/English Abstract 10/24/85 ABK 60-210018 10/22/85 Japan w/English Abstract ABL WO 92/10875 06/25/92 WIPO ABM 0 682 266 11/15/95 Europe ABN 3-41783 02/91 Japan (English Abstract only) ABO 0 581 239 02/02/94 Europe ABP 0812494 01/16/96 Japan ABQ 2 000 1645 06/16/00 Japan

MAY 1 3 2004

SHEET 13 OF 23

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY DOCKET NO. SERIAL NO. A De Deres Con (Modified) 211618US99 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **FILING DATE GROUP** July 24, 2001 2826 **U.S. PATENT DOCUMENTS** DOCUMENT DATE COUNTRY TRANSLATION NUMBER YES NO 1 043 426 BAA 10/11/00 Europe BAB 2000-068466 03/00 Japan (Abstract) BAC 64-50575 02/27/89 Japan BAD WO 98/05807 01/12/98 WIPO WO 94/03908 BAE 02/17/94 WIPO BAF WO 01/33585 05/10/01 WIPO BAG 1-102435 04/20/89 Japan w/English Abstract BAH 52-135684 11/12/77 Japan (English Abstract) 02051220 BAI 02/21/90 Japan (English Abstract) BAJ 11135614 05/21/99 Japan (w/English Abstract) BAK 64-52329 02/28/89 Japan (w/English Abstract) 10-256154 BAL 09/25/98 Japan (w/English Abstract) BAM DE 196 07 107 08/28/97 Germany Ьx BAN 10-303396 11/13/98 Japan (w/English Abstract) BAO 58-213412 12/12/83 Japan w/English Abstract BAP 0 964 259 12/15/99 Europe 0 875 922 BAQ 11/04/98 Europe BAR 61-63015 04/01/86 Japan w/English Abstract BAS 11340542 12/10/99 Japan (English Abstract) WO 01/37330 BAT 05/25/01 WIPO 0 331 467 BAU 09/06/89 Europe BAV WO 00/16378 03/23/00 WIPO 0 926 739 BAW 06/30/99 Europe BAX 0 964 453 12/15/99 Europe BAY 5-152529 06/18/93 Japan w/English Abstract BAZ 9-67193 03/11/97 Japan w/English Abstract BBA 9-82913 03/28/97 Japan w/English Abstract BBB 0 309 270 03/29/89 Europe BBC EP 0 957 522 11/17/99 Europe BBD EP 0 810 666 12/03/97 Europe BBE 1-179411 07/17/89 Japan w/English Abstract BBF DE 100 17 137 10/26/00 **GERMANY** BBG WO 02 01648 01/03/02 WIPO ввн WO 02/33385 A2 04/25/02 WIPO BBI WO 01/59814 A2 08/16/01 WIPO BBJ WO 02/09160 A2 01/31/02 WIPO BBK WO 00/06812 02/10/00 WIPO BBL 0 483 993 05/06/92 Europe ввм 0 538 611 04/28/93 Europe BBN WO 01/59820 A1 08/16/01 WIPO BBO 05150143 06/18/93 Japan (English Abstract only) BBP 2 779 843 12/17/99 France ХX 5-086477 BBQ 04/06/93 Japan (English Abstract only)

SHEET 14 OF 23

Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE SERIAL NO. ATTY DOCKET NO. <u>211618</u>US99 09/910,753 Renguista **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **FILING DATE GROUP** July 24, 2001 2826 FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY TRANSLATION NUMBER YES NO 52-89070 CAA 07/26/77 Japan хх CAB EP 1 069 606 01/17/01 Europe CAC WO 02/03113 01/10/02 WIPO WO 02/03467 CAD 01/10/02 WIPO CAE 0 630 057 EUROPE 12/21/94 CAF 61-36981 02/21/86 Japan w/English Abstract CAG WO 93/07647 04/15/93 CAH 2002-9366 01/11/02 Japan w/English Abstract CAI EP 0 881 669 12/02/98 Europe WO 02/03480 CAJ 01/10/02 WIPO CAK WO 02/50879 06/27/02 WIPO CAL EP 0 777 379 06/04/97 Europe CAM WO 01/04943 A1 01/18/01 WIPO XX WO 02/47127 A2 CAN 06/13/02 WIPO CAO JP 58-075868 05/07/83 Japan w/English Abstract EP 0 993 027 04/12/00 Europe CAQ EP 0 711 853 05/15/96 Europe CAR WO 98/20606 05/14/98 WIPO EP 1 043 765 CAS 10/11/00 Europe CAT 0 300 499 01/25/89 Europe CAU EP 1 085 319 03/21/01 Europe CAV WO 01/16395 03/08/01 WIPO CAW 2000-351692 12/19/00 Japan w/English Abstract CAX 03-188619 Japan (English Abstract only) 08/16/91 CAY 63-289812 11/28/88 Japan (English Abstract only) CAZ EP 0 884 767 12/16/98 Europe CBA 06-069490 03/11/94 Japan (English Abstract only) CBB WO 01/59821 A1 08/16/01 WIPO CBC CBD CBE CBF CBG CBH CBI CBJ СВК CBL СВМ CBN CBO CBP CBQ

MAY 1 3 2004

SHEET 15 OF 23

						
Form PTO 1449 (Modified)	P	U.S. DEPARTMENT OF COMMERCE ATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 211618USS	OF STREET	SERIAL NO. 09/910,753	3
			APPLICANT	<u> </u>	00.0.0,100	
LIST OF	REFE	RENCES CITED BY APPLICANT	F	Rudy M. EMRICK	, et al.	
			FILING DATE		GROUP	
			July 24, 200)1	2826	
		OTHER REFERENCES	(Including Author, Title, Date,	Pertinent Pages, e	etc.)	
C	CAA	Nakagawara et al., "Effects of Buffer				3 (12),
		December 15, 1995, pp. 7226-7230.				
c,		Suzuki et al., "A Proposal of Epitaxia Engineering B41, (1996), pp. 166-17.		Future Oxide Elect	ronics," Materials Scienc	e and
C	CAC	W. F. Egelhoff et al., "Optimizing GM Technology Conference, pp. 34-37.	R Spin Valves: The Outlook for	Improved Properties	s", 1998 Int'l Non Volatile	Memory
C		Wang et al., "Processing and Perform May 11, 2000.	nance of Piezoelectric Films", Ur	niv. Of MD, Wilcoxo	n Research Col, and Mo	torola Lal
C		M. Rotter et al., "Nonlinear Acoustoel August 16, 1999, pp. 965-967.	ectric Interactions in GaAs/LiNb	O ₃ Structures", App	lied Physics Letters, Vol.	. 75(7),
CCAF K. Sreenivas et al., "Surface Acoustic Wave Propagation on Lead Zirconate Titanate T Feb. 29, 1998, pp. 709-711.					n Films," <i>Appl. Phys. Let</i>	t. 52 (9),
C	 M. Rotter et al., "Single Chip Fused Hybrids for Acousto-Electric and Acousto-Optic Applications," 1997 Applied Phys. Letters, Vol. 70(16), April 21, 1997, pp. 2097-2099. CCAH A. Mansingh et al., "Surface Acoustic Wave Propagation in PZT/YBCO/SrTiO₃ and PbTiO₃/YBCO/SrTiO₃ Epitaxial Heterostructures," Ferroelectric, Vol. 224, pages 275-282, 1999. CCAI S. Mathews et al., "Ferroelectric Field Effect Transistor Based on Epitaxial Perovskite Heterostructures", Science, Vol. 297, pp. 238-240. 					Physics
C						al
co						Vol. 276
co		R. Houdre et al., "Properties of GaAs Issue 2, 1990, pp. 91-114.	on Si Grown by Molecular Beam	Epitaxy," Solid Sta	te and Materials Science	es, Vol. 1
co		S. F. Fang et al., "Gallium Arsenide a 1990, pp. R31-R58.	nd Other Compound Semicondu	ictors on Silicon," J.	Appl. Phys., 68(7), Octo	ber 1,
co		Carlin et al., "Impact of GaAs Buffer T Appl. Phys. Letter, Vol. 76, No. 14, Ap		of GaAs Grown on C	Graded Ge/GeSi/Si Subs	trates,
CC		Ringel et al., "Epitaxial Integration of I Symposium on Compound Semicond		Si Using Graded Ge	eSi Buffers," 27 th Internat	ional
cc		Zogg et al., "Progress in Compound-S Soc., Vol. 136, No. 3, March 1998, pp		epitaxy with Fluorid	e Buffer Layers," <i>J. Elec</i>	trochem
cc		Kiong et al., "Oxide Defined GaAs Ver Letters, Vol. 12, No. 2, Feb. 2000, pp.		sers on Si Substrate	es," IEEE Photonics Tec	hnology
cc		Clem et al., "Investigation of PZT//LS0 Res. Soc. Symp. Proc., Vol. 541, pp.		osites for Uncooled	Pyroelectric IR Detector	s," Mat.
cc		Gunapala et al., "Bound-To-Quasi-Bo September 1998.	und Quantum-Well Infrared Phot	todetectors," NASA	Tech Brief, Vol. 22, No.	9,
kaminer				Date Cons	ided	

SHEET 16 OF 23

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE ATTY DOCKET NO. SERIAL NO. (Modified) PATENT AND TRADEMARK OFFICE 211618US99 🐍 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. FILING DATE GROUP July 24, 2001 2826 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) DDAA Abhay M. Joshi et al., "Monolithic InGaAs-on-silicon Wave Infrared Detector Arrays," Intn. Society for Optical Engineering, Vol. 2999, pp. 211-224. DDAB Bruley et al., "Nanostructure and Chemistry of a (100)MgO/(100) GaAs Interface," Appl. Phys Lett, 65(5), Aug. 1994, pp. 564-DDAC Fork et al., "Epitaxial MgO On Si(001) for Y-Ba-Cu-O Thin Film Growth by Pulsed Laser Deposition," Appl. Phys Lett., 58(20), May 20, 1991, pp. 2294-2296. DDAD Himpsel et al., "Dialectrics on Semiconductors," Materials Science and Engineering, B1(1988), pp. 9-13. DDAE Li et al., "Epitaxial La 0.67 Sr0.33 MnO3 Magnetic Tunnel Junctions," J. Appl. Phys. 81(8), Apr. 15, 1997, pp. 5509-5511. DDAF O'Donnell et al., "Colossal Magnetoresistance Magnetic Tunnel Junctions Grown by Molecular-Beam Epitaxy," Appl. Physics etters, Vol. 76, No. 14, April 3, 2000, pp. 1914-1916. DDAG Mikami et al., "Formation of Si Epi/MgO-Al2O3Epi./SiO3/Si and Its Epitaxial Film Quality," Fundamental Research aboratories and Microelectronics Laboratories, pp. 31-34, 1983. DDAH T. Asano et al., "An Epitaxial Si/Insulator/Si Structure Prepared by Vacuum Deposition of CaF2 and Silicon." Thin Solid Films. Vol. 93 (1982), pp. 143-150. T. Chikyow et al., "Reaction and Regrowth Control of CeO2 on Si(111) Surface for the Silicon-On-Insulator Structure," Appl. Phys. Lett., Vol. 65, No. 8, 22 August 1994, pp. 1030-1032. DDAJ J.F. Kang, et al., "Epitaxial Growth of CeO₂(100) Films on Si(100) Substrates by Dual Ion Beams Reactive Sputtering," Solid State Communications, Vol. 108, No. 4, pp. 225-227, 1998. DDAK R.A. Morgan et al., "Vertical-Cavity Surface-Emitting Lasers Come of Age," SPIE, Vol. 2683, pp. 18-29. DDAL 'Technical Analysis of Qualcomm QCP-800 Portable Cellular Phone (Transmitter Circuitry)," Talus Corporation, Qualcomm QCP-800 Technical Analysis Report, December 10, 1996, pp. 5-8. DDAMJo-Ey WONG, et al.; "AN ELECTROSTATICALLY-ACTUATED MEMS SWITCH FOR POWER APPLICATIONS"; IEEE, 2000; pp. 633-638 DDAN T. MIZUNO, et al.; "Electron and Hole Mobility Enhancement in Strained-Si MOSFET's on SiGe-on-Insulator Substrates Fabricated by SIMOX Technology"; IEEE ELECTRON DEVICE LETTERS, VOL. 21. NO. 5, MAY 2000; pp. 230-232 DDAO F.M. BUFFER, et al.; "Strain-dependence of electron transport in bulk Si and deep-submicron MOSFET's" Computatural Electronics, 2000, Book of Abstracts, IWCE Glasgow 2000, 7th Int'l Workshop on, 2000; pp. 64-65 DDAP S.S. LU, et al.; "Piezoelectric field effect transistor (PEFET) using In_{0.2}Ga_{0.8}As/Al_{0.35}Ga_{0.65}As/In_{0.2}Ga_{0.8}As/GaAs Strained layer structure on (111)B GaAs substrate"; ELECTRONICS LETTERS, 12TH Ma 1994, Vol. 30, No. 10; pp. 823-825 DDAQ Kihong KIM, et al." On-Chip Wireless Interconnection with Integrated Antennas"; 2000 IEEE; pp. 20.2.1-20.3.4 Examiner Date Considered Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

SHEET 17 OF 23

Form PTO 1449 (Modified)	P	U.S. DEPARTMENT OF COMMERCE ATENT AND TRADEMARK OFFICE	ATTY DOCKET	NO. 211618US99	SERIAL 9	. NO. 09/910,753		
			APPLICANT	٠٠٠	Design Con			
LIST OF	REFE	RENCES CITED BY APPLICANT		Rudy M.	EMRICK, et al.			
			FILING DATE	Lulu 24, 2004	GROUP	2826		
			<u>l</u> .	July 24, 2001		2020		
		OTHER REFERENCES						
		G. PASSIOPOULOS, et al.; "V-BAN INTEGRATED PATCH ANTENNA";	1998 IEEE MTT-S I	DIGEST; pp. 305-308				
	EEAB	Mau-Chung Frank CHANG, et al.; "F IEEE, Vol. 89, No. 4, April 2001; pp.		nect for Inter- and Int	ra-Chip Communica	tions"; Proceedings of		
	EEAC	The Electronics Industry Report; Pris	smark; 2001; pp. 11	1-120				
	EEAD	J.K. ABROKWAH, et al.; "A Manufac	cturable Complemer	ntary GaAs Process";	GaAs IC Symposium	n, IEEE, 1993; pp. 127		
	EEAE	H. Nagata, "A Preliminary Considera Solid Films, 224, 1993, pp. 1-3.	ation of the Growth E	Sehaviour of CeO ₂ , Sr	TiO ₃ and SrVO ₃ Film	ns on Si Substrate," Th		
***************************************		Nagata et al., "Heteroepitaxial Growth of CeO ₂ (001) Films on Si(001) Substrates by Pulsed Laser Deposition in Ultrahigh /acuum," <i>Jpn. Jour. Appl. Phys.</i> , Vol. 30, No. 6B, June 1991, pp. L1136-L1138.						
	EEAG	Kado et al., "Heteroepitaxial Growth	of SrO Films on Si S	Substrates," J. Appl. F	Phys., 61(6), March 1	5, 1987, pp. 2398-240		
		H. Ishiwara et al., "Epitaxial Growth on Proceedings, Vol. 220, pp. 595-600,			ates"; <i>Materials Res</i>	earch Symposium		
		J.K. Abrokwah, et al.; "A Manufacturable High-Speed Low-Power Complementary GaAs Process"; Extended Abstracts of t 1994 International Conference on Solid State Devices and Materials, Yokohama, 1994, pp.592-594						
-		C.J. Palmstrom et al.; "Stable and Epitaxial Contacts to III-V Compound Semiconductors"; Contacts to Semiconductors Fundamentals and Technology; Noyles Publications, 1993; pp.67-150						
-		layshri SABARINATHAT, et al.; "Submicron three-dimensional infrared GaAs/Al _x O ₂ -based photonic crystal using single-stepitaxial growth"; APPLIED PHYSICS LETTERS, VOLUME 78, NUMBER 20, 14 MAY 2001; pp.3024-3026						
<u> </u>	EEAL	Philip BALL; "The Next Generation of	f Optical Fibers"; Te	chnology Review, Ma	y 2001; pp.55-61			
	EEAM	John D. JOANNOPOULOS, et al.; "M	Nolding the Flow of L	ight"; Photonic Crysta	als; Princeton Univer	sity Press, 1995		
		Thomas F. KRAUSS, et al.; "Photoni Electronics 23 (1999) 51-96	c crystals in the opti	cal regime - past, pre	sent and future"; Pro	gress in Quantum		
		G. H. JIN, et al.; "PLZT Film Wavegu No. 6. June 2000; pp.807-812	ide Mach-Zehnder E	Electrooptic Modulator	"; Journal of Lightwa	ave Technology, Vol. 1		
		D.E. ASPNES, et al.; "Steps on (001)						
		D.M. NEWNS, et al.; "Mott transition AUGUST 1998; pp.780-782	neio enect transisto	•		VIE 13, NUMBER 6, 10		
kaminer					Date Considered			

				MAY 1 3	3 2004 · J S⊦	HEET 18 (OF 23
Form PTO 1449 (Modified)	F	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO.	8US99	RIAL	NO.	<u> </u>
LIST OF	REFE	ERENCES CITED BY APPLICANT	APPLICANT	ذارا ه مزم	ADIOK I	09/910,753	
2,01 01	1/21 2	MENCES CHED BY AFFEICANT	FILING DATE	Rudy M. EN	MRICK, et al.		
				4, 2001	GROOP	2826	
		OTHER REFERENCES	(Including Author, Title, I	Date, Pertinent Pa	iges, etc.)		
	FFAA	Lucent Technologies, Inc. "Arrayed V	Vaveguide Grating Multiple	exer/Demultiplexer"	; January 2000; 4	pages	
<u> </u>	FFAB	Hisashi SHICHIJO, et al.; "Co-Integra VOL. 9, NO. 9, SEPTEMBER 1988; p	ation of GaAs MESFET and pp.444-446	d Si CMOS Circuits	s"; IEEE ELECTR	ON DEVICE LE	TTERS,
	FFAC	H. SHICHIJO, et al.; "GaAs MESFET - 239-242	and Si CMOS Cointegration	on and Circuit Tech	hniques"; 1988 IEI	EE; GaAs IC S	ymposiur
-	FFAD	H. SHICHIJO, et al.; "Monolithic Proce	ess for Co-Integration of G	aAs and Silicon Ci	ircuits"; 1988 IEEE	E; pp.778-781	-8
	FFAE	Z.H. ZHU, et al. "Growth of InGaAs m PHYSICS LETTERS, VOLUME 72, N	nulti-quantum wells at 1.3 n IUMBER 20, 18 MAY 1998	n wavelength on G ; pp.2598-2600	aAs compliant sub	ostrates"; APPL	JED
ļ	FAF	Kurt EISENBEISER, et al.; "Metamor, ELECTRON DEVICE LETTERS, VOL	phic InAlAs/InGaAs Enhan L. 20, NO. 10, OCTOBER	cement Mode HEN 1999; pp.507-509	/IT's on GaAs Sub	strates"; IEEE	
F	FAG	Tomonori NAGASHIMA, et al.; "Three Technical Center, Toyota Motor Corpo	-Terminal Tandem Solar Coration; 4 pages	Cells With a Back-C	Contact Type Botto	om Cell" Higas	hifuji
F	FAH	James SCHELLENBERG, et al.; "Low Digest; pp.1733-1736	v-Loss, Planar Monolithic B	aluns for K/Ka-Bar	nd Applications"; 1	999 IEEE MTT	-S
F	FAI	Arnold Leitner et al; "Pulsed Laser De and Borocarbides; Mixed Session, We	position of Superconductinednesday Afternoon; March	ig Strontium Titana n 19 1997; Room 1	ite Thin-Films"; ; S 202 B, Conv. Cen	Session K11-Th iter (Abstract)	in Films
		R.D. VISPUTE; "High quality optoelec Thin Solid Films 299 (1997), pp.94-10	3				
	ſ	T. Warren WEEKS, et al.; "GaN thin fil temperature monocrystalline AIN buffe	er layers" 320 Applied Phy	sics Letters, Vol. 6	7, No. 3, 17 July 1	1995, ppl401-40	03
F	FAL	Z. YU, et al.; "Epitaxial oxide thin films	on SI(001)*"; J. Vac. Sci.	Technol. B. Vol. 18	3, No. 4, Jul/Aug 2	000; pp.2139-2	145
F	FAM	Gentex Corporate Website; "Photoelec	ctric Smoke Detectors - Ho	w They Work; 200	1	· ,	
F	FAN	Jeffrey B. Casady, et al.; "A Hybrid 6H- ON COMPONENTS, PACKAGING, AN	SiC Temperature Sensor ND MANUFACTURING TE	Operational from 2 CHNOLOGY - PAF	5 C to 500 C"; IEE	E TRANSACT	IONS BER

Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FFAQ D.A. FRANCIS, et al.; "A single-chip linear optical amplifier"; OFC, 2001; March 17-22, 2001

FFAO Ronald W. WAYNANT, et al.; "OPTOELECTRONIC INTEGRATED CIRCUITS"; ELECTRO-OPTICS HANDBOOK, McGraw-

FFAP Antonio MECOZZI, et al.; "The Roles of Semiconductor Optical Amplifiers in Optical Networks"; Optics & Photonics News; March 2001; pp. 37-42

1996; pp. 416-422

Examiner

Hill, Inc., 1994; Chapter Twenty Seven

DIED TO MAS UP COMMERCE PARTET AND FACEMAN OF THE MASS OF THE PROPERTY OF THE					
APPLICANT Rudy M. EMRICK, et al. FILING DATE SIDNY 24, 2001 REGREENCES (including Author, Title, Date, Pertinent Pages, etc.) OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) SGAA G. Vogg et al., "Epitaxiel alicy films of ziril-phase Ca(Si1-xGex)2", Journal of Crystal Growth 223 (2001); pp. 573-576 SGAB Peter S. GUILFOYLE, et al., "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 The Photonics Design and Applications Handbook; pp. H-399-H-406 GGAC Gerald B. STRINGFELLOW. "Organomeality Varior-Phase Epitaxy: Theory and Practices", Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer, IBM Technical Builletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Builletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTIO; Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAI Vodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 2875th Journal of Vactuum Science & Technology, 1995 MayJJune, Vol. 13, No. 3, pp. 1000-1005. GGAL Current al., "Substrate Effect on the Superconductivity of YBe ₂ Cu ₂ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Substrate Effect on the Superconductivity of YBe ₂ Cu ₂ O ₇ Thin Films on MigO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO, and SrTiO, Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341,	Form PTO 1449		U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO.	SERIAL NO.
LIST OF REFERENCES CITED BY APPLICANT FILING DATE	(Modified)	PA ⁻	TENT AND TRADEMARK OFFICE	211618US99	09/910,753
TILING DATE July 24, 2001 2826 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) GGAA 3. Vogg et al.; "Epitaxial alloy films of zinil-phase Ca(Si1-xGex)2"; Journal of Crystal Growth 223 (2001); pp. 573-576 GGAA Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 The Photonics Design and Applications Handbook; pp. H-399H-406 GGAC Gerald B. STRINGFELLOW; "Organometalitic Vapor-Phase Epitaxy: Theory and Practice", Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD JAA. HERNAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 8, Nov. 1987, p. 365. GGAF GainAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-556. GGAG GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GAAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 2575 Journal of Vacuum Science & Technology, 1985 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAK Nickee et al., "Substrate Effect on the Superconductivity of YBe ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK Nickee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL Mickee et al., "Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1988, pp. 4454-4459, pp. 39-314. GGAN GGAN Mickee et al., "The MBE Growth and Optical Quality of BaTiO			·		
OTHER REFERENCES (Including Author, Title, Date, Perlinent Pages, etc.) OTHER REFERENCES (Including Author, Title, Date, Perlinent Pages, etc.) OTHER REFERENCES (Including Author, Title, Date, Perlinent Pages, etc.) Postonics Design and Spiritarial alloy films of zinil-phase Ca(Si1-xGex)2", Journal of Crystal Growth 223 (2001); pp. 573-576 Postonics Design and Applications Handbook; pp. H-399-H-406 GGAC Gerald B. STRINGFELLOW: "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1986 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF GalinAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1996, pp. 1472-1477. GGAI Vode et al., GASA Heteroelipaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 3257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAL Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₂ O ₇ Thin Films," AIP Conference 1988, pp. 1411-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL Sckee et al., "Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Met. Res. Soc. Symp. Proc., Vol. 341, April 199	LIST OF F	REFER	ENCES CITED BY APPLICANT		
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) GGAA G. Vogg et al.; "Epitaxial alloy films of zinti-phase Ca(Si1-xGex)2"; Journal of Crystal Growth 223 (2001); pp. 573-576 SGAB Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 The Photonics Design and Applications Handbook; pp. In-399-H-406 GGAC Gerald B. STRINGFELLOW; "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1999 GGAC Gerald B. STRINGFELLOW; "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1999 GGAC Grain As STRINGFELLOW; "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1999 GGAC Tringgration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 385. GGAF "GainAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAF "GainAs Superconducting FET," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₂ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAL Vod et al., "GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in Situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 MayJune, Vol. 13, No. 3, pp. 1000-1005. GGAL Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 1411-148. GGAK Mickee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL Mickee et al., "Molecular Beam Epitaxy Growth of SrTi					1
SGAA G. Vogg et al.; "Epitaxial alloy films of zinti-phase Ca(Si1-xGex)2"; Journal of Crystal Growth 223 (2001); pp. 573-576 SGAB Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 Th Photonics Design and Applications Handbook; pp. H-399-H-406 GGAC Geraid B. STRINGFELLOW; "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1999, 1996 GGAF Folianas Superconducting FET," IBM Technical Bulletin, Vol. 30, No. 3, No. 6, Nov. 1987, p. 365. GGAF Gainas Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Fepitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAJ Vodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin St Interlayers in stru Annealed at High Temperatures," 62379 Journal of Vacuum Science & Technology, 1995 MayJune, Vol. 13, No. 3, pp. 1000-1005. GGAJ Curomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₂ O ₂ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAM Tambo et al., Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM McKee et al., "Molecular Beam Epitaxy Growth of SiTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys. Vol. 37, 1998, pp. 4454-4459. GGAO McKee et al., "Surface Structures and the Orthorhombic Trans	DIPA			July 24, 200 I	2020
SGAB Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 Th Photonics Design and Applications Handbook; pp. H-399-H-406 GGAC Gerald B. STRINGFELLOW; "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status", Springer-Verlag Berlin Heidelberg, 1998, 1996 GGAF Integration of GaAs on SI Using a Spinel Buffer Layer', IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 8, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of STTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAH Couman of Vacuum Science & Technology, 1995 MayJune, Vol. 13, No. 3, pp. 1000-1005. GGAL Coumo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₂ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₂ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAM McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Tittanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambe et al., Molecular Beam Epitaxy Growth of STTiO ₃ Films on SI(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys. Vol. 37, 1998, pp. 4454-4459. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221,			OTHER REFERENCES	(Including Author, Title, Date, Pertinent Pages,	etc.)
Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 The Photorics Design and Applications Handbook; pp. 14-399-H-406 GGAC Gerald B. STRINGFELLOW, "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF Gainas Superconducting FET, "IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAF Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 257th Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAI Curome et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAI McKee et al., "Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "Surface Structu	ব	GAA	G. Vogg et al.; "Epitaxial alloy films	of zintl-phase Ca(Si1-xGex)2"; Journal of Crystal G	rowth 223 (2001); pp. 573-576
Peter S. GUILFOYLE, et al.; "Optoelectronic Architecture for High-Speed Switching and Processing Applications"; 1998 The Photorics Design and Applications Handbook; pp. H-399-H-406 GGAC Gerald B. STRINGFELLOW, "Organometallic Vapor-Phase Epitaxy: Theory and Practice"; Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF "GalnAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAF "Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 2575 Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAI Curome et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₂ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAI McKee et al., "Molecular Beam Epitaxy Growth of SrTiO ₂ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "Surface Structu	1 3 2004				
GGAC Gerald B. STRINGFELLOW: "Organometallic Vapor-Phase Epitaxy: Theory and Practice": Departments of Materials Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERNAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF Gathas Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heleroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," <i>2557b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of <i>YBa₂Cu₃O₇</i> Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAI McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of <i>Physics</i> , pp. 782-784, August 13, 1991. GGAM Tambo et al., "Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 445-4459. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD,	Si	GAB	Peter S. GUILFOYLE, et al.; "Optoe	lectronic Architecture for High-Speed Switching an	d Processing Applications"; 1998 Th
Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF GaInAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Jepan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAH Moon et al., "GaAs Heteroepitaxial Growth on SI Substrates with Thin SI Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAL Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136. GGAO Brian A	4		Photonics Design and Applications	Handbook; pp. H-399-H-406	
Science and Engineering and Electrical Engineering, University of Utah; Academic Press, 1989 GGAD M.A. HERMAN, et al.; "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF GaInAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Jepan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAH Moon et al., "GaAs Heteroepitaxial Growth on SI Substrates with Thin SI Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAL Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136. GGAO Brian A		CAC	Corold R. STRINGEELLOW: "Organ	nometallic Vanor-Phase Enitary: Theory and Pract	ice": Departments of Materials
GGAD M.A. HERMAN, et al., "Molecular Beam Epitaxy Fundamentals and Current Status"; Springer-Verlag Berlin Heidelberg, 1989, 1996 GGAE "Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF "GalnAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG "Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAH Noon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK NcKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1988, pp. 3014-3017. GGAL NcKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1997 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys.</i> , Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Em MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al., 'The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999, pp. IITC99-249-IITC99-250.		JUAC	Science and Engineering and Electr	ical Engineering, University of Utah; Academic Pre	ss, 1989
1989, 1996					
GGAE Integration of GaAs on Si Using a Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30, No. 6, Nov. 1987, p. 365. GGAF GalnAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," Japan J of Appl. Phys., Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Hetercepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAN McKee et al., "Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAO McKee et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250.		GAD		eam Epitaxy Fundamentals and Current Status"; Sp	bringer-verlag Berlin Heldelberg,
GGAF "GatnAs Superconducting FET," IBM Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 655-656. GGAG "Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of <i>Physics</i> , pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. ITC99-249-ITC99-250.					
GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers <i>in situ</i> Annealed at High Temperatures," <i>8257b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of <i>YBa₂Cu₃O₇</i> Thin Films," AIP Conference 1988, pp. 141-148. GGAK MicKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL MicKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SiTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN MicKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SiTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO MicKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP MicKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250. Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in		GAE	'Integration of GaAs on Si Using a S	Spinel Buffer Layer", IBM Technical Bulletin, Vol. 30), No. 6, Nov. 1987, p. 365.
GGAG Epitaxial 3d Structure Using Mixed Spinels," IBM Technical Bulletin, Vol. 30, No. 3, Aug. 1987, p. 1271. GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers <i>in situ</i> Annealed at High Temperatures," <i>8257b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of <i>YBa₂Cu₃O₇</i> Thin Films," AIP Conference 1988, pp. 141-148. GGAK MicKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL MicKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SiTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN MicKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SiTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO MicKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP MicKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250. Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in					
GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers <i>in situ</i> Annealed at High Temperatures," <i>8257b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBe ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," <i>1991 American Institute of Physics</i> , pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	l	GAF	"GaInAs Superconducting FET," IBN	1 Technical Bulletin, Vol. 36, No. 8, Aug. 1993, p. 6	55-656.
GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers <i>in situ</i> Annealed at High Temperatures," <i>8257b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," <i>1991 American Institute of Physics</i> , pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			·`		
GGAH Moon et al., "Roles of Buffer Layers in Epitaxial Growth of SrTiO ₃ Films on Silicon Substrates," <i>Japan J of Appl. Phys.</i> , Vol. 33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers <i>in situ</i> Annealed at High Temperatures," <i>8257b Journal of Vacuum Science & Technology</i> , 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBe ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," <i>Physical Review Letters</i> , Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," <i>1991 American Institute of Physics</i> , pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," <i>Jpn. J. Appl. Phys.</i> , Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	l	GAG	"Foitaxial 3d Structure Using Mixed:	Spinels." IBM Technical Bulletin, Vol. 30, No. 3, Au	g. 1987, p. 1271.
33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. ITC99-249-ITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	'			, , , ,	
33, March 1994, pp. 1472-1477. GGAI Yodo et al., GaAs Heteroepitaxial Growth on Si Substrates with Thin Si Interlayers in situ Annealed at High Temperatures," 8257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. ITC99-249-ITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	ļļ	·CAH	Man et al. "Poles of Ruffer Lavers	in Enitaxial Growth of StTiOn Films on Silicon Sub-	strates " Japan Lof Appl Phys Vol
B257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		SGAM		in Epitaxiai Glowin of Grings in in on oneon out	suales, supur our Appl. 1 Trys., vol.
B257b Journal of Vacuum Science & Technology, 1995 May/June, Vol. 13, No. 3, pp. 1000-1005. GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in				in This Citated and in	A. A. a. a. l. d. a.k. I link Townson towns P
GGAJ Cuomo et al., "Substrate Effect on the Superconductivity of \$YBa_2Cu_3O_7\$ Thin Films," AIP Conference 1988, pp. 141-148. GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," *Physical Review Letters*, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," *Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," *Mat. Res. Soc. Symp. *Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," *Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," *Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAO Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	^{[G}				
GGAK McKee et al., "Crystalline Oxides on Silicon: The First Five Monolayers," Physical Review Letters, Vol. 81, No. 14, Oct. 1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	[9	GAJ	Cuomo et al., "Substrate Effect on the	ne Superconductivity of YBa ₂ Cu ₃ O ₇ Thin Films," Al	P Conference 1988, pp. 141-148.
1998, pp. 3014-3017. GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al., "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
GGAL McKee et al., "Molecular Beam Epitaxy Growth of Epitaxial Barium Silicide, Barium Oxide, and Barium Titanate on Silicon," 1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered "Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	G	GAK		Silicon: The First Five Monolayers," Physical Review	ew Letters, Vol. 81, No. 14, Oct.
1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			1998, pp. 3014-3017.		•
1991 American Institute of Physics, pp. 782-784, August 13, 1991. GGAM Tambo et al., Molecular Beam Epitaxy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO Buffer Layer," Jpn. J. Appl. Phys., Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," Mat. Res. Soc. Symp. Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	G	GAL	McKee et al., "Molecular Beam Epita	xy Growth of Epitaxial Barium Silicide, Barium Oxi	de, and Barium Titanate on Silicon,"
Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			1991 American Institute of Physics, I	pp. 782-784, August 13, 1991.	
Vol. 37, 1998, pp. 4454-4459. GGAN McKee et al., "The MBE Growth and Optical Quality of BaTiO ₃ and SrTiO ₃ Thin Films on MgO," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		GAM	Tambo et al. Molecular Beam Epita:	xy Growth of SrTiO ₃ Films on Si(100)-2x1 with SrO	Buffer Laver." Jon. J. Appl. Phys
Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
Proc., Vol. 341, April 1994, pp. 309-314. GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," Appl. Phys. Lett., 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	ļ	CAN	Makes et al. "The MPE Growth and	Optical Quality of PaTiOs and ScTiOs Thin Films of	n MaO " Mat Pas Soc Symn
GGAO McKee et al., "BaSi ₂ and Thin Film Alkaline Earth Silicides on Silicon," <i>Appl. Phys. Lett.</i> , 63 (20), Nov. 1993, pp. 2818-2820. GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi ₂ on Silicon," <i>Mat. Res. Soc. Symp. Proc.</i> , Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	ا				mingo, mai. Nes. 300. Symp.
GGAP McKee et al., "Surface Structures and the Orthorhombic Transformation of Thin Film BaSi₂ on Silicon," Mat. Res. Soc. Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in		GAO	McKee et al., "BaSi₂ and Thin Film A	Ikaline Earth Silicides on Silicon," Appl. Phys. Lett	., 63 (20), Nov. 1993, pp. 2818-2820.
Symp. Proc., Vol. 221, pp. 131-136, GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in					
GGAQ Brian A. FLOYD, et al.; "The projected Power Consumption of a Wireless Clock Distribution System and Comparison to Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	G			d the Orthorhombic Transformation of Thin Film Ba	aSi ₂ on Silicon," Mat. Res. Soc.
Conventional Distribution Systems"; IEEE, 1999; pp. IITC99-249-IITC99-250 Examiner Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			Symp. Proc., Vol. 221, pp. 131-136,		
Examiner Date Considered *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	d				ution System and Comparison to
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in			Conventional Distribution Systems";	IEEE, 1999; pp. IITC99-249-IITC99-250	
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in	Examiner			Date Con:	sidered
conformance and not considered. Include copy of this form with next communication to applicant.		l if refe	erence is considered, whether or not	citation is in conformance with MPEP 609: Draw lin	ne through citation if not in
	conformance an	d not c	considered. Include copy of this form	with next communication to applicant.	

Form PTO 1449		U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO.	SERIAL NO.			
(Modified)	١	PATENT AND TRADEMARK OFFICE	211618US99	09/910,753			
			APPLICANT				
LIST OF	REFE	ERENCES CITED BY APPLICANT	Rudy M. E	MRICK, et al.			
			FILING DATE	GROUP			
			July 24, 2001	2826			
PA	IUU A	OTHER REFERENCES	(Including Author, Title, Date, Pertinent	Pages, etc.)			
8	İ	Upn. J. of Apl. Phys., Vol. 30, No. 84	• •	•			
3 2004	HHAE	Moon et al., "Growth of Crystalline S Properties," <i>Jpn. J. of Appl. Phys.</i> , V	rTiO₃ Films on Si Substrates Using Thin Flt /ol. 33, (1994), pp. 5911-5916.	uoride Buffer Layers and Their Electrical			
MERK TREE	HHAC	Farrow et al., "Heteroepitaxy of Dissi May 2, 1991.	imilar Materials," Mat. Res. Soc. Symposiur	n Proceedings, Vol. 221, pp. 29-34, Apri			
	HHAC	Dishiwara et al., "Heteroepitaxy on Sili Vol. 116, pp. 369-374, April 5-8, 198	icon: Fundamentals, Structure, and Devices 8.	s," Mat. Res. Soc., Symposium Proceedi			
	HHAE	Douglas B. Chrisey, et al; Pulsed La	ser Deposition of Thin Films; pp. 273-285				
	HHAF	B.A. Block, et al; "Photoluminescenc 25-27	e properties of Er ³ -doped BaTiO ₃ thin films'	, Appl. Phys. Lett. 65 (1), 4 July 1994, p			
HHAG Kevin J. Chen et al; "A Novel Ultrafa Devices Meetingk 1996; IEEE Hong			st Functional Device: Resonant Tunneling R Kong; June 29, 1996; pp. 60-63, XP010210	High Electron Mobility Transistor"; Electr			
	ннан	Wenhua Zhu et al.; "Molecular Beam 2; pp. 210-212	Epitaxy of GaAs on Si-on-Insulator"; 320 A	pplied Physics Letters 59(1991) 8 July N			
	HHAI	Umesh K. Mishra et al; "Oxide Based Digest, International; Washington, D.	C.; 7-10 December 1997; pp. 545-548	lectron Devices Meeting; 1997; Technica			
	HHAJ	J.M. Daughton et al.; "Applications of	of Spin Dependent Transport Materials"; J. Phys. D. Appl. Phys. 32(1999) R169-R17				
-	HHAK	Wei Zhang et al.; "Stress Effect and I Condensed Matter; American Institute	Enhanced Magnetoresistance in La _{0.67} Ca _{0.3} e of Physics; Vol. 58, No. 21, Part 1; Decen	₃ MnO _{3-δ} Films"; Physical Review, B. ber 1, 1998; pp. 14143-14146			
	HHAL	QY. Tong et al.; "IOS-a new type of Conference, Oct. 1999; pp.104-105	materials combination for system-on-a chip	preparation"; 1999 IEEE International S			
	HHAM	T. Kanniainen et al.; "Growth of Diele Electrochemical Society Proceedings	ctric 1hfo2/Ta205 Thin Film Nanolaminate (, U.S. Electrochemical Society; Pennington	Capacitors By Atomic Layer Epitaxy"; , N.J.; August 31, 1997; pp. 36-46			
		13, 1995; pp. 1331-1333	wth of BaTio₃ Films on Si by Pulsed Laser [
		Applied Physics Letters; Vol. 34; 1995					
	HAP	Gilbert Lecarpentier et al.; "High Accu and Technology Conference; pp. 1-4	racy Machine Automated Assembly for Opt	o Electronics"; 2000 Electronic Compon			
	ı						

			SHEET 21 OF 23		
Form PTO 1449	U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO.	SERIAL NO.		
(Modified)	PATENT AND TRADEMARK OFFICE	211618US99	09/910,753		
		APPLICANT			
LIST OF RE	FERENCES CITED BY APPLICANT	Rudy M. EMRICK	, et al.		
		FILING DATE	GROUP		
		July 24, 2001	2826		
11/6/					
		(Including Author, Title, Date, Pertinent Pages, e			
1 3 2004 SVA	6, 2000; pp. 1324-1326	ors with SrTiO ₃ Gate Dielectric on Si"; Applied Phys	sics Letters; Vol. 76, No. 10; March		
C IIA	B Stephen A. Mass; "Microwave Mixers'	"; Second Edition; 2pp.			
IIA	C Douglas J. Hamilton et al.; "Basic Inte	egrated Circuit Engineering"; pp.2; 1975			
IIA	D Takeshi Obata; "Tunneling Magnetore	esistance at Up to 270 K in La _{0.8} Sr _{0.2} MnO ₃ /SrTiO ₃ /L .etters; Vol. 74, No. 2; 11 January 1999; pp. 290-29	_a _{0.8} Sr _{0.2} MnO ₃ Junctions with 1.6-		
İ					
IIA	E Wei Zhang et al.; "Enhanced Magneto Heterostructures"; Physica C; Vol. 282	oresistance in La-Ca-Mn-O Films on Si Substrates 2-287, No. 2003; 1 August 1997; pp. 1231-1232	Using YbaCuO/CeO ₂		
IIAI	F Shogo Imada et al; "Epitaxial Growth of Jpn. J. Appl. Phys. Vol. 37 (1998); pp.	of Ferroelectric YmnO ₃ Thin Films on Si (111) Subs . 6497-6501; Part 1, No. 12A, December 1998	strates by Molecular Beam Epitaxy";		
IIAC	liAG Ladislav Pust et al.; "Temperature Dependence of the Magnetization Reversal in Co(fcc)-BN-Co(poly hcp) Structure Journal of Applied Physics; Vol. 85, No. 8; 15 April 1999; pp. 5765-5767				
IIAI	C. Martinez; "Epitaxial Metallic Nanos	structures on GaAs"; Surface Science; Vol. 482-489	5; pp. 910-915; 2001		
IIAI	Wen-Ching Shih et al.; "Theoretical Ir Transactions of Ultrasonics, Ferroele	nvestigation of the SAW Properties of Ferroelectric ctrics, and Frequency Control; Vol. 45, No. 2; Marc	Film Composite Structures"; IEEE h 1998; pp. 305-316		
IIAJ	Zhu Dazhong et al.; "Design of ZnO/S International Conference on Solid-Sta	SiO ₂ /Si Monolithic Integrated Programmable SAW I ate and Integrated Circuit Technology; 21-23; Octob	Filter"; Proceedings of Fifth per 1998; pp. 826-829		
IIAF	Kirk-Othmer Encyclopedia of Chemica Interscience Publication; John Wiley &	ll Technology; Fourth Edition, Vol. 12; Fuel Resourd Sons	ces to Heat Stabilizers; A Wiley-		
IIAL	Joseph W. Goodman et al; "Optical Int	terconnections For VLSI Systems"; Proceedings of	the IEEE, Vol. 72, No. 7 July 1984		
IIAN	SUBSTRATE"; Fourth International C	EGRATION OF InGaAs/InAIAs MODFETs and RTE conference on Indium Phosphide and Related Mate EE, New York, NY, USA; ISBN: 0-7803-0522-1			
IIAN		uide Grating For Wavelength Division Multi/Demult	iplexer With Nanometre		
IIAC	Pierret, R.F.; "1/J-FET and MESFET";	Field Effect Devices; MA, Addison-Wesley; 1990; p	рр. 9-22		
IIAP	M. Schreiter, et al.; "Sputtering of Self-	Polarized PZT Films for IR-Detector Arrays"; 1998	IEEE; pp. 181-185		
IIAC		aration of Ferroelectric PLZT Thin Films and Their trics and Frequency Control, Vol. 38, No. 6, Novem			
xaminer		Date Cons	idered		

			<u> </u>	SHEET 22 OF 23				
Form PTO 1449		U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO.	SERIAL NO.				
(Modified)	۲.	PATENT AND TRADEMARK OFFICE	211618US99	09/910,753				
_			APPLICANT					
LIST OF	REFE	ERENCES CITED BY APPLICANT	Rudy M. EMRIC					
			FILING DATE	GROUP				
PE			July 24, 2001	2826				
કો		OTHER REFERENCES	6 (Including Author, Title, Date, Pertinent Pages,	, etc.)				
3 2004	JJAA		s Materials Properties Applications"; Chapman & H					
THE SEE	JJAB		oth and Structure of Cubic and Pseudocubic Perovs 01; 1995 Materials Research Society; pp. 109-114					
	JJAC	Wang et al.; "Depletion-Mode GaAs 1998, IEDM '98 Technical Digest; pp	MOSFETs with Negligible Drain Current Drift and I	Hysteresis"; Electron Devices Meeting				
	JJAD		ctronic Devices"; 1990, Prentice Hall; Third Edition;	nn 320-322				
	007.12							
	JJAE	A.Y Wu et al.; "Highly Oriented (Pb,L	La)(Zr,Ti)O ₃ Thin Films on Amorphous Substrates"	'; IEEE, 1992; pp. 301-304				
			nce for Cooperative Oxidation of MoCVD Precursors 6, 1997 Materials Research Society; pp. 321-326	s Used in Ba _x Sr _{1-x} TiO ₃ Film Growth";				
	JJAG	S.N. Subbarao et al.; "Monolithic PIN 166; 1989	N Photodetector and FET Amplifier on GaAs-os-Si ⁿ	*; IEEE; GaAs IC Symposium-163-				
		T.A. Langdo et al.; "High Quality Ge of June 19, 2000	on Si by Epitaxial Necking"; Applied Physics Letter	rs; Vol. 76, No. 25; pp. 3700-3702;				
	JJAI	Chenning Hu et al.; Solar Cells From Basics to Advanced Systems; McGraw-Hill Book Company; 1983						
		O.J. Painter et al, "Room Temperatur Lightwave Technology, Vol. 17, No. 1	ure Photonic Crystal Defect Lasers at Near-Infrared 11; November 1999	I Wavelengths in InGaAsp"; Journal of				
		C. Donn et al.; "A 16-Element, K-Ban International Symposium, 1988; pp.1	nd Monolithic Active Receive Phased Array Antenn 188-191, Vol. 1; 6-10 June 1988	na"; Antennas and Propagation Society				
	JJAL	Don W. Shaw; "Epitaxial GaAs on Si:	i: Progress and Potential Applications"; Mat. Res. 9	Soc. Symp. Proc.; pp.15-30; 1987				
	JJAM	G.J.M. Dormans, et al.; "PbTiO/ ₃ /Th Symposium on Integrated Ferroelec	nin Films Grown by Organometallic Chemical Vapor ctrics; April 3-5, 1991 (Abstract)	our Deposition"; Third International				
	JJAN	P.J. Borrelli et al.; "Compositional ar Symposium; Dec. 2-4, 1991 (Abstrac	and Structural Properties of Sputtered PLZT Thin Filect)	ilms"; Ferroelectric Thin Films II				
	JJAO		sto-optic diffraction efficiency in a symmetric SrRiO; Vol. 39, No. 31; Applied Optics; pp. 5847-5853)3/BaTiO3/SrTiO3 thin-film				
	JJAP	Ranu Nayak et al; "Studies on acous Phys. D: Appl. Phys. 32 (1999) 380	isto-optical interaction in SrTiO3/BaTiO3/SrTiO3 ep 0-387	oitaxial thin film heterostructures"; J.				
-	DALL	S.K. Tewksbury et al.; "Cointegration Proceedings, Fifth Annual IEEE; 20 J	n of Optoelectronics and Submicron CMOS"; Wafer January 1993; pp. 358-367	r Scale Integration; 1993;				
Examiner			Date Cor	nsidered				

Form PTO 1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO.	SERIAL NO.				
(Modified) PATENT AND TRADEMARK OFFICE		THE PROPERTY OF THE	211618US99	09/910,753				
LIST OF	DEEE	PENCES CITED BY APPLICANT	APPLICANT Rudy M. EMRICK, et al.					
I DE	I DIST OF REFERENCES CITED BY APPLICANT		FILING DATE	GROUP				
, 7			July 24, 2001	2826				
3								
1 3 2004 00		OTHER REFERENCES	(Including Author, Title, Date, Pertine	ent Pages, etc.)				
Š	KKAA	AA V. Kaushik et al.; "Device Characteristics of Crystalline Epitaxial Oxides on Silicon"; Device Research Conference, 2 Conference Digest 58th DRC; pp. 17-20; June 19-21, 2000						
250			inhiting Controlled Annies Volume Cont Di	rive Manufacturing for Optical Applications":				
	ŀ	3 Katherine Derbyshire; "Prospects Bright for Optoelectronics Volume, Cost Drive Manufacturing for Optical Applications"; Semiconductor Magazine; Vol. 3, No. 3; March 2002						
	KKAC	C Alex Chediak et al; "Integration of GaAs/Si with Buffer Layers and Its Impact on Device Integration"; TICS 4, Prof. Sands. MSE 225, April 12, 2002; pp. 1-5						
	KKAD	S.A. Chambers et al; "Band Discontinuities at Epitaxial SrTiO3/Si(001) Heterojunctions"; Applied Physics Letters; Vol. 77, No. 11; September 11, 2000; pp. 1662-1664						
	KKAE	H. Wang et al.; "GaAs/GaAlAs Power HBTs for Mobile Communications"; Microwave Symposium Digest; 1993 IEEE; Vol. 2.; pp. 549-552						
	KKAF	Y. Ota et al.; "Application of Heterojunction FET to Power Amplifier for Cellular Telephone"; Electronics Letters; 26th May 1994; Vol. 30, No. 11; pp. 906-907						
	KKAG	Keiichi Sakuno et al; "A 3.5W HBT MMIC Power Amplifier Module for Mobile Communications"; IEEE 1994; Microwave and Millimeter-Wave Monolithic Circuits Symposium; pp. 63-66						
	KKAH	Mitsubishi Semiconductors Press Release (GaAs FET's) November 8, 1999 pp.1-2						
	KKAI	R.J. Matyi et al; "Selected Area Heteroepitaxial Growth of GaAs on Silicon for Advanced Device Structures"; 2194 Thin Solid Films; 181 (1989) December 10; No. 1; pp. 213-225						
	KKAJ	K. Nashimoto et al; "Patterning of Nb, LaOnZr, TiO3 Waveguides for Fabricating Micro-Optics Using Wet Etching and Solid-Phase Epitaxy"; Applied Physics Letters; Vol. 75, No. 8; 23 August 1999; pp. 1054-1056						
	KKAK	Bang-Hung Tsao et al; "Sputtered Barium Titanate and Barium Strontium Titanate Films for Capacitor Applications"; Applications of Ferroelectrics, 2000; Proceedings of the 2000 12th International Symposium on Vol. 2; pp. 837-840						
		Man Fai Ng et al; "Heteroepitaxial growth of lanthanum aluminate films derived from mixed metal nitrates"; Journal of Materials Research; Vol. 12, No. 5; pp. 1306						
		Yuji Matsumoto et al.; "Room-Temperature Ferromagnetism in Transparent Transition Metal-Doped Titanium Dioxide"; Science; 2 February 2001; Vol. 291; pp. 854-856						
	KKAN	N S.A. Chambers et al.; "Epitaxial Growth and Properties of Ferromagnetic Co-Doped TiO2 Anatase"; Applied Physics Letters; Vol. 79, No. 21; November 19, 2001; pp. 3467-3469						
	KKAO							
	KKAP							
	KKAQ	-						
4 1								
Examiner				Date Considered				

ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Form PTO 1449 (Modified) 211618US99 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. FILING DATE **GROUP** July 24, 2001 2826 **U.S. PATENT DOCUMENTS** EXAMINER **DOCUMENT** SUB **FILING DATE CLASS** DATE NAME INITIAL NUMBER **CLASS** IF APPROPRIATE UT 5,528,209 06/18/96 Macdonald et al. 5,998,781 UV 12/07/99 Vawter et al. UW 08/29/00 Ota et al. 6,110,813 UX 6,452,232 B1 09/17/02 Adan 04/11/00 UY 6,049,110 Koh UΖ 5,559,368 09/24/96 Hu et al. VA 6,392,253 B1 05/21/02 Saxena VΒ 5,585,288 12/17/96 Davis et al. VC 5,268,327 12/07/93 Vernon VD 6,198,119 B1 03/06/01 Nabatame et al. VΕ 6,113,225 09/05/00 Miyata et al. VF 5,262,659 11/16/93 Grudkowski et al. 05/29/01 VG 6,239,012 B1 Kinsman VΗ 6,297,598 10/02/01 Wang et al. VΙ 2002/140012 10/03/02 Droopad 4,866,489 09/12/89 Yokogawa et al. ٧J VK 6,080,378 06/27/00 Yokota et al. 5,508,554 04/16/96 Takatani et al. ٧L VΜ 6,477,285 B1 11/05/02 Shanley VN 4,695,120 09/22/87 Holder Jewell VO 5,882,948 03/16/99 VΡ 5,574,589 11/12/96 Feuer et al. VQ 5,510,665 04/23/96 Conley VR 4,804,866 02/14/89 Akiyama vs 5,057,694 10/15/91 ldaka et al. VT 06/03/97 Pique et al. 5,635,453 VU 5,719,417 02/17/98 Roeder et al. W 5.998,819 12/07/99 Yokoyama et al. Examiner **Date Considered**

OF 5 SHEET 2 ATTY DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE Form PTO 1449 (Modified) PATENT AND TRADEMARK OFFICE 09/910,753 211618US99 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **GROUP** FILING DATE 2826 July 24, 2001 U.S. PATENT DOCUMENTS DOCUMENT SUB **FILING DATE EXAMINER CLASS** DATE NAME IF APPROPRIATE **CLASS** INITIAL NUMBER 2002/0079576 06/27/02 Seshan W 5,148,504 09/15/92 Levi et al. VX 2002/0195610 A1 12/26/02 Klosowiak VY 5,477,363 VΖ 12/19/95 Matsuda 05/18/99 Butler et al. WA 5,905,571 10/29/96 Ota WB 5,570,226 WC 5,087,829 02/11/92 Ishibashi et al. 2001/0020278 A1 09/06/01 Saito WD 12/17/02 Uchizaki 6,496,469 B1 WE

5,831,960 11/03/98 Jiang et al. WI WJ 5,693,140 12/02/97 McKee et al. 6,376,337 B1 04/23/02 Wang et al. 12/04/79 WL 4,177,094 Kroon WM 5,216,359 06/01/93 Makki et al. 10/23/01 WN 6,307,996 B1 Nashimoto et al. wo 5,371,621 12/06/94 Stevens WP 2002/0145168 A1 10/10/02 Bojarczuk, Jr et al. WQ 3,617,951 11/02/71 Anderson WR 5,838,053 11/17/98 Bevan et al. 5,684,302 Wersing et al. ws 11/04/97 WT 5,959,308 09/28/99 Shichijo et al. WU 11/08/94 Yazawa et al. 5,362,972 wv 5,864,171 01/26/99 Yamamoto et al. ww 5,028,563 07/02/91 Feit et al. WX 5,937,115 08/10/99 Domash **Date Considered** Examiner

10/21/97

11/01/01

08/29/95

WF

WG

WH

5,679,947

5,446,719

2001/0036142 A1

Doi et al.

Kadowaki et al. Yoshida et al.

SERIAL NO. ATTY DOCKET NO. Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE & TRADES! 211618US99 09/910,753 **APPLICANT** LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. **GROUP** FILING DATE 2826 July 24, 2001 **U.S. PATENT DOCUMENTS** SUB FILING DATE **EXAMINER DOCUMENT** DATE **CLASS** NAME INITIAL NUMBER **CLASS** IF APPROPRIATE Sonoda et al. 03/02/99 WY 5,878,175 WZ 4,801,184 01/31/89 Revelli XA 5,140,387 08/18/92 Okazaki et al. 04/25/95 Okada et al. ΧB 5,410,622 05/16/00 XC 6,064,783 Congdon et al. XD 5,772,758 06/30/98 Collins et al. XΕ 5,666,376 09/09/97 Cheng 11/02/99 Zavracky et al. XF 5,976,953 XG 5,578,162 11/26/96 D'Asaro et al. XH 5,585,167 12/17/96 Satoh et al. 5,674,813 10/07/97 Nakamura et al. ΧI 11/12/96 Park et al. XJ 5,574,296 ΧK 6,504,189 01/07/03 Matsuda et al. 5,987,196 11/16/99 Noble XL ΧM XN XO ΧP XQ XR XS XT ΧU ΧV XW XXXY

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date Considered

ΧZ

Examiner

MAY 1.3 2004

Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT

ATTY DOCKET NO. 211618US99

SERIAL NO. 09/910,753

APPLICANT

Rudy M. EMRICK, et al.

FILING DATE July 24, 2001 GROUP 2826

		F(OREIGN PATENT DOCUMENTS		
	DOCUMENT NUMBER	DATE	COUNTRY	TRANS YES	SLATION NO
СВС	EP 1 035 759	09/13/00	Europe		
CBD	EP 0 860 913	08/26/95	EUROPE		
CBE	5-232307	09/10/93	JAPAN W/ENGLISH ABSTRACT		
CBF	5-243525	09/31/93	JAPAN W/ENGLISH ABSTRACT		
CBG	3-171617	07/25/91	JAPAN W/ENGLISH ABSTRACT		
СВН	EP 1 089 338	04/04/01	EUROPE		
СВІ	01 294594	11/28/99	JAPAN (ABSTRACT)		
CBJ	05 221800	08/31/93	JAPAN (ABSTRACT)		0
СВК	03-149882	11/07/89	JAPAN		
CBL	0 614 256	09/07/94	EUROPE		
СВМ	1 054 442	11/22/00	EUROPE		
CBN	0 852 416	07/08/98	EUROPE		
СВО	WO 02/08806	01/31/02	WIPO		
СВР	WO 01/59837	08/16/01	WIPO		
CBQ	62-245205	10/26/87	JAPAN W/ENGLISH ABSTRACT		
CBR	0 600 658	06/08/94	EUROPE		
CBS	0 412 002	02/06/91	EUROPE		
СВТ	2000-349278	12/15/00	JAPAN (ENGLISH ABSTRACT)		
CBU	01-196809	08/08/89	JAPAN (ENGLISH ABSTRACT)		
CBV	0 619 283	10/12/94	EUROPE		
CBW	0 661 561	07/05/95	EUROPE		
СВХ	0 331 338	09/06/89	EUROPE		
CBY					
CBZ					
CCA					
ССВ					
ccc	Ü				
CCD					** 40.
CCE					
CCF					
ccg					· · · · · · · · · · · · · · · · · · ·
ссн					
CCI					
ccı		1			
сск					
CCL					
ССМ					
CCN					
ссо					
ССР		 			

ATTY DOCKET NO. SERIAL NO. Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Modified) 211618US99 09/910,753 APPLICANT LIST OF REFERENCES CITED BY APPLICANT Rudy M. EMRICK, et al. FILING DATE **GROUP** July 24, 2001 2826 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) Charles Kittel; "Introduction to Solid State Physics"; John Wiley & Sons, Inc. Fifth Edition; pp. 415 KKAO Chyuan-Wei Chen et al; "Liquid-phase epitaxial growth and characterization of InGaAsP layers grown on GaAsP KKAP substrates for application to orange light-emitting diodes"; 931 Journal of Applied Physics; 77 (1995) 15 January, No. 2; Woodbury, NY, US; pp. 905-909 W. Zhu et al.; "Oriented diamond films grown on nickel substrates"; 320 Applied Physics Letters; 63(1993) KKAQ September, No. 12, Woodbury, NY, US; pp. 1640-1642 M. Schreck et al.; "Diamond/Ir/SrTi03: A material combination for improved heteroepitaxial diamond films"; KKAR Applied Physics Letters; Vol. 74, No. 5; February 1, 1999; pp. 650-652 Yoshihiro Yokota et al.; "Cathodoluminescence of boron-doped heteroepitaxial diamond films on platinum"; KKAS Diamond and Related Materials 8(1999); pp. 1587-1591 J.R. Busch et al.; "LINEAR ELECTRO-OPTIC RESPONSE IN SOL-GEL PZT PLANAR WAVEGUIDE"; Electronics Letters; KKAT 13th August 1992; Vol. 28, No. 17; pp. 1591-1592 R. Droopad et al; "Epitaxial Oxide Films on Silicon: Growth, Modeling and Device Properties"; Mat. Res. KKAU Soc. Symp. Proc. Vol. 619; 2000 Materials Research Society; pp. 155-165 H. Ohkubo et al.; "Fabrication of High Quality Perovskite Oxide Films by Lateral Epitaxy Verified with RHEED Oscillation"; 2419A Int. Conf. on Solid State Devices & Materials, Tsukuba, August 26-28 (1992); pp. 457-459 Lin Li; "Ferroelectric/Superconductor Heterostructures"; Materials Science and Engineering; 29 (2000) pp. KKAW 153-181 L. Fan et al.; "Dynaamic Beam Switching of Vertical-Cavity Surface-Emitting Lasers with Integrated Optical KKAX Beam Routers"; IEEE Photonics Technology Letters; Vol. 9, No. 4; April 4, 1997; pp. 505-507 Y. Q. Xu. et al.; "(Mn, Sb) dropped-Pb(Zr, Ti)03 infrared detector arrays"; Journal of Applied Physics; Vol. KKAY 88, No. 2; 15 July 2000; pp. 1004-1007 Kiyoko Kato et al.; "Reduction of dislocations in InGaAs layer on GaAs using epitaxial lateral overgrowth"; KKAZ 2300 Journal of Crystal Growth 115 (1991) pp. 174-179; December 1991 LLAA LLAB LLAC LLAD LLAE Examiner **Date Considered** *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

conformance and not considered. Include copy of this form with next communication to applicant.

		OIPE							
					ur				
	•	•		MAY 1 3 20	UR E	SHE	ET 1	OF 1	1
Form PTO 1449				ATTY DOCKET NO.	40	SERIAL I	NO.		
(Modified)	PATENT AND TRADEMARK OFFICE		DEMARK OFFICE	211618US99	· · · · · · · · · · · · · · · · · · ·	09/910,	,753		
				APPLICANT					
LIST OF	REFE	RENCES CITED BY AP	PLICANT	RUDY M. EMRICK ET AL		τ			
			FILING DATE		GROUP				
				JULY 24, 2001	*	2826			
			,	U.S. PATENT DOCUMENTS		1			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS		NG DATE PROPRIATE	Ē
	ΖV	5,122,679	06/16/92	ISHII ET AL					
	ZW	6,232,806	05/15/01	WOESTE ET AL					
	ZX	5,430,397	07/04/95	ITOH ET AL					
	ZY	6,151,240	11/21/00	SUZUKI			_		
	ZZ	6,528,374	03/04/03	BOJARCZUK, JR ET AL					
	A1	6,589,887	07/08/03	DALTON ET AL					
	A2	5,064,781	11/12/91	CAMBOU ET AL					
	А3	2002/0052061	05/02/02	FITZGERALD					
	A4	5,696,392	12/09/97	CHAR ET AL					
	A 5	5,986,301	11/16/99	FUKUSHIMA ET AL					
	A6	6,329,277	12/11/01	LIU ET AL					
	A7								
	A8								
	A9				٠				
			FO	REIGN PATENT DOCUMENTS					
		DOCUMENT	DATE	COUNTRY		TRANSLATION			
		NUMBER				YES	s	NO	
	ccs	WO 99/67882	12/29/99	WIPO					
	ССТ	WO 95/02904	01/26/95	WIPO		ļ			
	CCU	WO 02/009150	01/31/02	WIPO					
,	CCV	0 766 292	04/02/97	EUROPE					
	ccw	198 29 609	01/05/00	GERMANY					
	CCX	1 069 605	01/17/01	EUROPE					
	CCY	0 828 287	03/11/98	EUROPE					
	CCZ	1 176 230	01/30/02	EUROPE					
		OTHER RE	FERENCES (Including Author, Title, Date, Pertinent	Pages, et	tc.)			
	LLAP			Si (100) surface using Sr and SrO for the ol. 20, No. 4, July 2002 (2002-07) pp. 140		crystalline	SrTiO/sub	2/films" Jou	ırnal
	LLAQ	XIAMING HU et al; "Si Proceedings, Vol. 716		ormation for the epitaxial growth of SrTiO/ I-266	sub 3/on s	ilicon" Mat	terials Rese	earch Socie	ty
	LLAR	-							
	LLAS				Addi	tional Refe	erences she	eet(s) attach	ned
Examiner				Date Cor	ate Considered				
*Examiner: In				t citation is in conformance with MPEP 60			citation if	not in	
conformance	and no	ot considered. Include o	opy of this form	n with next communication to applicant.					